



Solution: Anybus Communicator –
Serial Master to PROFIBUS Gateway

Country: India

Company : Vertiv

Vertiv's partner: UL Group

Benefits:

- Seamless communication between the UPS system and the PROFIBUS PLCs
- Preserved legacy infrastructure
- Easy installation and setup

Simplified integration

Discover how Vertiv connected their UPS System with PROFIBUS PLCs without disrupting legacy infrastructure.

Vertiv is a global leader in designing, building, and servicing critical infrastructure that enables vital applications for data centers, communication networks, and commercial and industrial facilities. They offer technology infrastructure solutions ranging from edge to cloud, including liquid cooling options for data centers, micro data center solutions, complete power management, thermal management, prefabricated modular solutions, and continuity services.

Connectivity challenges

Vertiv encountered some connectivity challenges when they needed to integrate their Uninterruptible Power Supply (UPS) system, which operated on a serial protocol, with PROFIBUS Programmable Logic Controller (PLCs).

The objectives were clear:

1. Seamless communication: Enable efficient communication and control between the UPS system and the Profibus PLCs.
2. Preserve legacy infrastructure: Achieve integration without disrupting the existing setup.

Solving communication issues

Even though Vertiv is a global leader in critical infrastructure solutions, sometimes problems are easier to solve with a helping hand. As a result, Vertiv turned to HMS Networks, who recommended the Anybus Communicator – Serial Master to PROFIBUS Gateway. Here's how it addressed their needs:

- Protocol conversion: The Anybus Gateway connected the UPS' serial protocol with the PROFIBUS PLC, ensuring compatibility and future scalability.
- Intuitive installation and configuration: Easy installation and setup through an intuitive interface minimized downtime, reduced integration costs and improved operational efficiency and Return on Investment (ROI) .
- Robust performance: Reliable operation enhanced system reliability and streamlined operations.

Conclusion

The successful integration of Vertiv's UPS system with PROFIBUS PLCs demonstrates the critical role of advanced gateways in modern industrial environments.

The Anybus Communicator – Serial Master to PROFIBUS gateway provided a reliable, efficient, and cost-effective solution, overcoming communication challenges and enhancing operational performance and adaptability.



Vertiv's legacy UPS system

Learn more at www.hms-networks.com/anybus,
www.vertiv.com/en-us/ and ulepl.com